**Index of Claims** 



Application/Control No.

10/812,674 Examiner

HAROUCHE, DAVID

Reexamination

Applicant(s)/Patent under

Art Unit

Isaac M. Woo

2166

| √ | Rejected |
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| = | Allowed  |

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Interference

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| Claim                  |          | Date         |          |            |          |          |               |          |  |          | Claim |       |          |                 |   |
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| Ula Cita               | AIITI    | $\vdash$     | _        | r –        | _        | Jan      | <del>e</del>  | _        | _  | Г        |       | Cla   | im<br>I  | ┝               | _ |
| Final                  | Original | 5/21/07      |          |            |          |          |               |          |  |          |       | Final | Original |                 |   |
|                        | 1        | <b>√</b>     |          |            |          |          |               | Г        |  |          |       |       | 51       | П               | _ |
|                        |          | V            |          |            |          |          |               | Т        | Т  |          | il    |       | 51<br>52 | П               | _ |
|                        | 3        |              | $\vdash$ |            | Г        | $\vdash$ | $\overline{}$ | Г        | Г  |          | ĺĺ    |       | 53       | П               | _ |
|                        | 4        | ✓            |          |            | Г        |          |               | Г        | П  |          | 1 1   |       | 54       | $\Box$          |   |
|                        | 5        | <b>√</b>     |          |            | Г        |          |               |          |  |          | 1 1   |       | 55       | П               | _ |
|                        | 6        | -<br>√<br>√  |          |            |          |          |               |          |  |          |       |       | 56       | П               |   |
|                        | 7        | $\checkmark$ |          |            |          |          |               |          |  |          | 1 1   |       | 57       |                 |   |
|                        | 8        | √            |          |            |          |          |               |          |  |          |       |       | 58       |                 | L |
|                        | 9        | ✓            |          |            |          |          |               |          |  |          |       |       | 59       |                 | L |
|                        | 10       | ✓            |          |            |          |          |               |          |  |          | ] [   |       | 60       |                 | L |
|                        | 11       | V            | _        | L          | L        |          |               |          |  |          |       |       | 61       |                 | L |
|                        | 12       | <            |          |            |          | L        | _             |          | $ldsymbol{ld}}}}}}$ |          |       |       | 62       | Ш               | L |
|                        | 13       | 1            | L        |            | <u> </u> |          | _             | L        | L.,  | _        |       |       | 63       | Ш               | L |
|                        | 14       | <b>√</b>     | _        | _          | L        | L        | _             | 匚        | _  | L        | ] ]   |       | 64<br>65 | Ш               | L |
|                        | 15       | ✓            |          | L_         | <u> </u> | L        | L             | ᆫ        | _  |          |       |       | 65       | Ш               | _ |
|                        | 16       | <b>√</b>     | _        |            |          |          | <u> </u>      | ļ        | _  | _        |       |       | 66       | Ц               | _ |
|                        | 17       | <<           | <u> </u> |            | _        | <u> </u> | ļ.,           |          | L  | <u> </u> |       |       | 67       | Ш               |   |
| <u> </u>               | 18       | Ϋ́           | <u> </u> | <u> </u>   | _        | ┡        | <u> </u>      |          | ╙  | <u> </u> |       |       | 68       | Ц               | _ |
|                        | 19       | Ý            |          | <u> </u> _ | _        | _        | <u> </u>      | _        | _  | <u> </u> |       |       | 69       | Ш               | _ |
|                        | 20<br>21 | <b>√</b>     | _        | <u> </u>   |          | _        | ╙             | <u> </u> |  | L-       |       |       | 70       | Ш               | _ |
|                        | 21       | √,           |          | _          | L        | L        | <u> </u>      | <u> </u> | <u> </u>   | <u> </u> |       |       | 71       | $\vdash$        | _ |
| $\vdash$               | 22<br>23 | Ź            | _        | -          | _        | <u> </u> | <u> </u>      | ⊢        | ⊢  | $\vdash$ |       |       | 72       |                 | _ |
| $\vdash$               | 24       | Z            |          | -          | ⊢        | $\vdash$ | ├             | ⊢        | ├  | <u> </u> |       |       | 73<br>74 | Н               |   |
| $\vdash$               | 25       | N            | _        | ┝          | ⊢        | H        | ├             | -        | -  | _        | } }   |       | 75       | Н               | _ |
|                        | 26       | N            | _        | $\vdash$   | ⊢        | ⊢        | -             | ┢        | ┝  | ┢        |       |       | 76       | $\vdash$        | _ |
| $\vdash$               | 27       | N            | _        | $\vdash$   | $\vdash$ | <u> </u> | -             | -        | ├  | -        |       |       | 77       | Н               | _ |
|                        | 28       | N            | -        | -          | ├        | $\vdash$ | $\vdash$      |          |  | -        |       |       | 78       | $\vdash$        | _ |
|                        | 29       | N            | _        | $\vdash$   | $\vdash$ | -        | -             | $\vdash$ | H  | ┢╾       |       |       | 79       | $\vdash$        | - |
| -                      | 30       | N            |          | H          | H        | -        | ┝             | $\vdash$ | $\vdash$   | $\vdash$ |       |       | 80       | $\vdash$        | - |
| -                      | 31       | H            | -        | $\vdash$   | H        | $\vdash$ | -             | $\vdash$ | ⊢  | $\vdash$ |       |       | 81       | $\vdash$        | - |
|                        | 32       | Н            |          | $\vdash$   | ┢─       | -        | ┢             | $\vdash$ | $\vdash$   | $\vdash$ |       |       | 82       | $\vdash$        | - |
|                        | 33       | П            |          |            | $\vdash$ | $\vdash$ |               | -        |  | _        |       |       | 83       | $\vdash$        | - |
|                        | 34       | П            |          | _          | $\vdash$ | $\vdash$ | $\vdash$      | $\vdash$ |  |          |       |       | 84       | Н               | - |
|                        | 35       |              |          |            |          |          | Т             | Т        |  |          | İ     |       | 85       |                 | - |
|                        | 36       | П            |          |            |          |          |               |          | $\vdash$   |          |       |       | 86       | П               | _ |
|                        | 37       | П            |          |            |          |          | Г             | Г        |  |          |       |       | 87       | П               | - |
|                        | 38       |              |          |            |          |          |               |          | Г  |          |       |       | 88       | П               | - |
|                        | 39       |              |          |            |          |          |               |          |  |          | ĺſ    |       | 89       |                 | _ |
|                        | 40       |              |          |            |          |          |               |          |  |          |       |       | 90       |                 |   |
|                        | 41       |              |          |            |          |          |               |          |  |          |       |       | 91       |                 | _ |
|                        | 42       |              |          |            |          |          |               |          |  |          | [     |       | 92       |                 | _ |
| $\perp$                | 43       | Ш            |          | L          |          | Ш        |               | <u> </u> | _  | $\Box$   |       |       | 93       |                 | _ |
| igspace                | 44       | Ш            |          | Ш          | _        |          |               | _        | _  |          |       |       | 94       |                 |   |
| <u> </u>               | 45       | $\Box$       |          |            | Ш        |          |               | oxdot    | Щ  | L        |       |       | 95       | Ш               |   |
| $\vdash$               | 46       | $\sqcup$     |          | Ш          | Ш        | Щ        |               |          | $\vdash$   | L.,      |       |       | 96       | Ш               | _ |
| <u> </u>               | 47       |              |          | Ш          |          | L.,      |               | $\vdash$ | _  | L.,      |       |       | 97       | $\sqcup$        |   |
| <u> </u>               | 48       | -            |          | Щ          | _        | Щ        | _             | _        | $\vdash$   | L_       |       |       | 98       |                 | _ |
| $\vdash \vdash \vdash$ | 49       | $\vdash$     | _        | Н          |          |          | H             | $\vdash$ | <b> -</b>  | L        |       |       | 99       | $\vdash \vdash$ | _ |
| لـــــا                | 50       | ш            |          | ш          | Ш        | <b></b>  |               |          |  | Ш        | l     |       | 100      | Ш               |   |

| Cla        | Claim          |  | Date     |               |          |          |  |              |          |               |  |  |  |
|------------|----------------|--|----------|---------------|----------|----------|--|--------------|----------|---------------|--|--|--|
| <u> </u>   |                | $\vdash$   | Г        | Γ             | Г        |          |  | Ι            | Г        |               |  |  |  |
| <i>ॼ</i> │ | a              |  |          |               |          |          |  |              |          |               |  |  |  |
| Final      | Original       |  |          |               |          |          |  |              |          |               |  |  |  |
| -          | 0              |  |          |               |          |          |  |              |          |               |  |  |  |
|            | 51             | $\vdash$   | _        | $\vdash$      |          | $\vdash$ | $\vdash$   | $\vdash$     | $\vdash$ | -             |  |  |  |
| <b>——</b>  | 51<br>52       | _  | $\vdash$ | $\vdash$      | $\vdash$ | $\vdash$ | _  | $\vdash$     | 1        | 1             |  |  |  |
|            | 53             | ┢  | _        | $\vdash$      |          | $\vdash$ | <u> </u>   |              | ┢        | <u> </u>      |  |  |  |
|            | 53<br>54       | $\vdash$   | $\vdash$ | $\vdash$      | $\vdash$ | $\vdash$ | _  | -            | _        | $\vdash$      |  |  |  |
|            | 55             | ┢  |          |               | -        | -        | $\vdash$   | $\vdash$     |          | $\vdash$      |  |  |  |
|            | 56             | <del>                                     </del> |          | Т             |          | _        | <del>                                     </del> | ┢            |          |               |  |  |  |
|            | 57             | _  | $\vdash$ | T             |          | -        | <del>                                     </del> | <u> </u>     | _        |               |  |  |  |
|            | 58             | $\vdash$   | $\vdash$ | Т             | _        | ┪        |  | ┪            |          | Т             |  |  |  |
|            | 59             | T  | Г        |               |          | İ        | 1  |              |          |               |  |  |  |
|            | 60             |  | $\vdash$ |               |          | -        |  | Г            | Т        |               |  |  |  |
|            | 61             |  | Г        |               | Г        |          | $\vdash$   |              | Г        | $\overline{}$ |  |  |  |
|            | 62             |  | Г        |               | Г        |          |  |              |          |               |  |  |  |
|            | 63             |  | l        | Г             | Г        |          |  |              | Г        |               |  |  |  |
|            | 64             |  | Г        |               | П        |          |  |              | Г        |               |  |  |  |
|            | 64<br>65       |  |          | Г             |          |          |  |              | Г        |               |  |  |  |
|            | 66             |  |          | Г             |          |          |  |              | Г        |               |  |  |  |
|            | 67             |  |          |               |          |          |  |              |          |               |  |  |  |
|            | 68             |  |          |               |          |          |  |              |          |               |  |  |  |
|            | 69             |  |          |               |          |          |  |              |          |               |  |  |  |
|            | 70<br>71       |  |          |               |          |          |  |              |          |               |  |  |  |
|            | 71             |  | Ĺ        |               |          | ·        |  |              |          |               |  |  |  |
|            | 72             | <u></u>  | <u> </u> | _             |          |          |  | _            |          |               |  |  |  |
|            | 72<br>73<br>74 |  |          |               |          |          |  | 匚            |          |               |  |  |  |
| <u></u>    | 74             |  | L        | ļ             |          | L        |  | <u>_</u>     |          |               |  |  |  |
| ļ          | 75             |  |          | <u> </u>      | <u> </u> | _        |  | _            | 匚        | ldash         |  |  |  |
| <u> </u>   | 76             |  | L        | <u> </u>      | <u> </u> | <u> </u> | _  | _            | <u> </u> | _             |  |  |  |
| <u> </u>   | 77             |  | ldash    | <u> </u>      | ļ        |          |  |              | <u> </u> | _             |  |  |  |
|            | 78<br>79       |  | <u> </u> | _             | ļ        | L.       | _  |              | L        | L.            |  |  |  |
|            | 79             |  | _        | _             | L        | L.,      |  |              | L        | <u> </u>      |  |  |  |
| ļ          | 80             |  | <u></u>  | _             | _        | _        | <u> </u>   |              | _        |               |  |  |  |
|            | 81<br>82       |  |          | <u> </u>      | L        | <u> </u> | <u> </u>   | _            | L        | $\vdash$      |  |  |  |
|            | 82             | _  | <u> </u> | _             | L        | _        | <u> </u>   | _            | L        |               |  |  |  |
|            | 83             | _  | _        |               | -        | _        | ┝  | _            | <b>-</b> |               |  |  |  |
|            | 84             | Ι.,  | _        | _             | <u> </u> | _        | <u> </u>   | _            |          | Ш             |  |  |  |
|            | 85             | _  |          | _             | -        |          | <u> </u>   | <u> </u>     |          | _             |  |  |  |
| -          | 86<br>87       |  |          | _             | $\vdash$ |          | <u> </u>   | ┝            | -        | $\vdash$      |  |  |  |
|            | 88             |  | _        | <u> </u>      | $\vdash$ | <u> </u> |  | -            | _        |               |  |  |  |
| -          | 89             | -  | _        | $\vdash$      | -        |          | -  | -            | _        |               |  |  |  |
| <b>—</b> — | 90             | _  | $\vdash$ | $\vdash$      | -        | $\vdash$ | $\vdash$   |              | -        | -             |  |  |  |
|            | 91             |  | -        | $\vdash$      | $\vdash$ |          | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$      |  |  |  |
|            | 92             | <u> </u>   | $\vdash$ | _             | $\vdash$ |          | $\vdash$   | <del> </del> | $\vdash$ | $\vdash$      |  |  |  |
|            | 93             | -  |          | $\vdash$      |          |          |  | $\vdash$     | $\vdash$ | Н             |  |  |  |
|            | 94             |  |          |               | $\vdash$ |          |  | $\vdash$     | $\vdash$ |               |  |  |  |
|            | 95             |  |          | $\vdash$      | _        | Н        | $\vdash$   |              | $\vdash$ | Н             |  |  |  |
|            | 96             |  |          |               |          |          |  | $\vdash$     | $\vdash$ | Н             |  |  |  |
|            | 97             | т  |          |               |          |          |  |              |          | Н             |  |  |  |
|            | 98             |  |          |               |          | $\Box$   |  |              |          |               |  |  |  |
|            | 99             |  |          |               |          |          |  |              |          | $\neg$        |  |  |  |
|            | 100            |  |          | $\overline{}$ | H        |          | -  | $\vdash$     | $\vdash$ | Н             |  |  |  |

| Cla   | Date                            |          |          |          |  |          |          |          |          |                 |
|-------|---------------------------------|----------|----------|----------|--|----------|----------|----------|----------|-----------------|
|       | Original                        |          |          |          |  |          |          |          |          | П               |
| Final | gi                              | l        |          |          |  |          |          |          |          |                 |
| i.    | õ                               |          |          |          |  |          |          |          |          |                 |
|       | 101                             | _        | -        | ├        | -  | ┝        | ┝        | $\vdash$ | <u> </u> | $\vdash$        |
|       | 102                             |          | $\vdash$ | $\vdash$ | -  | -        | -        |          |          | $\vdash$        |
|       | 102                             | $\vdash$ |          |          | 一  | $\vdash$ | -        |          | _        | $\dashv$        |
|       | 104                             |          |          |          | <del>                                     </del> | -        | $\vdash$ | H        | $\vdash$ | Н               |
|       | 105                             |          |          | _        | $\vdash$   |          |          | T        | _        |                 |
|       | 106                             |          |          |          | Г  |          |          |          |          | П               |
|       | 107                             |          |          |          |  |          |          | Г        |          |                 |
|       | 108                             |          |          |          |  |          |          |          |          |                 |
|       | 109                             |          |          |          |  |          |          |          |          |                 |
|       | 110                             |          | _        | _        | _  |          | L        |          |          |                 |
|       | 111<br>112<br>113               |          | _        | L_       | _  |          |          | L        |          | Щ               |
|       | 112                             | _        | <u> </u> |          | _  |          | _        |          | $\vdash$ | Ш               |
|       | 113                             |          | <u> </u> | <u> </u> | <u> </u>   | H        |          | ļ        | L        | Щ               |
|       | 114                             | <u> </u> | $\vdash$ | $\vdash$ | $\vdash$   | <u> </u> | <b> </b> | H        | <u> </u> | Ш               |
|       | 114<br>115<br>116               |          | <u> </u> | <u> </u> | $\vdash$   | -        | -        |          | H        | Н               |
|       | 110                             |          | <u> </u> | -        | _  | H        |          | -        | _        | Н               |
|       | 117<br>118<br>119<br>120<br>121 |          | -        |          | -  | Н        | -        | -        | _        | Н               |
|       | 110                             | Ь—       | -        |          | ┝  | H        |          |          |          | Н               |
|       | 120                             |          | $\vdash$ |          | -  | -        | $\vdash$ | H        | _        | Н               |
|       | 121                             |          | -        | -        | $\vdash$   |          | _        | -        | $\vdash$ | Н               |
|       | 122                             |          | $\vdash$ | $\vdash$ | -  | $\vdash$ | $\vdash$ |          | _        | Н               |
|       | 123                             |          |          |          |  |          |          |          |          | $\vdash$        |
|       | 122<br>123<br>124               |          |          |          | $\vdash$   |          | Г        |          |          |                 |
|       | 125<br>126<br>127               |          | <u> </u> |          |  |          |          |          |          | $\neg$          |
|       | 126                             |          |          |          |  |          |          |          |          |                 |
|       | 127                             |          |          |          |  |          |          |          |          |                 |
|       | 128<br>129<br>130               |          |          |          |  |          |          |          |          |                 |
|       | 129                             |          |          |          |  | $\vdash$ |          |          |          | Ш               |
|       | 130                             |          |          |          | _  | _        |          |          |          |                 |
| -     | 131<br>132<br>133               |          |          |          | <u> </u>   | _        | _        |          |          | Ш               |
|       | 132                             |          |          | _        | _  | $\vdash$ | -        |          | _        | Н               |
|       | 133                             |          |          |          | _  | _        |          |          |          | -               |
|       | 134<br>135                      |          | H        | $\vdash$ | -  | -        |          |          | $\vdash$ | $\vdash \vdash$ |
|       | 136                             |          | $\vdash$ | $\vdash$ |  | H        |          |          |          | $\dashv$        |
|       | 137                             | -        |          | -        |  |          | $\vdash$ | Н        | Н        | $\dashv$        |
|       | 138                             |          |          | Н        |  |          |          |          | $\vdash$ | $\dashv$        |
|       | 139                             |          |          |          |  |          |          |          |          | $\vdash \vdash$ |
|       | 139<br>140                      |          |          |          |  |          |          |          |          | П               |
|       | 141                             |          |          |          |  |          |          |          |          |                 |
|       | 142                             |          |          |          |  |          |          |          |          |                 |
|       | 143                             |          |          |          |  |          |          |          |          |                 |
|       | 144                             |          |          |          |  |          |          |          |          |                 |
|       | 145                             |          |          | Ш        | L.   | igsqcup  |          |          |          |                 |
|       | 146                             |          |          | $\Box$   |  |          | Ш        |          | Щ        |                 |
|       | 147                             | _        | Щ        |          |  | Щ        |          |          | L        | Ш               |
|       | 148                             |          | Щ        |          | $\vdash$   |          |          |          |          | Щ               |
|       | 149                             |          |          |          |  | $\vdash$ | Щ        | Щ        | Щ        | -               |
|       | 150                             |          | ш        |          | Ĺ.,  |          |          |          |          | Щ               |